

SEVERE LOCAL STORMS, JUNE, 1929

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A more complete statement will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path, yards ¹	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Ross, Wyo. (near)-----	1	5:30 p. m.	-----	-----	\$4,000	Hail and rain.	Crops and roads damaged.	Official, U. S. Weather Bureau.
Great Falls, Mont., and vicinity.	1	P. m.	-----	-----	2,000	Wind and rain.	Circus tent, chimneys, and signs blown down; 2 planes, overhead wires and windows damaged.	Do.
Garden City, Tex.	2	3-6 p. m.	-----	-----	-----	Hail.	Severe crop loss.	Do.
Center, Jud and Rule, Tex.	2	4 p. m.	6 mi.	-----	29,000	Wind and hail.	A series of storms killed livestock and poultry and damaged crops.	Do.
Ira and Dunn, Tex.	2	do.	4 mi.	-----	-----	Severe hail.	Replanting of crops necessary.	Do.
Barton and Rice Counties, Kans.	2	4-5 p. m.	880	-----	110,000	Tornado and hail.	Greatest property damage near Clafin; wheat damaged by hail over path 10 by 30 miles.	Do.
Barber County, Kans.	2	5:15-5:45 p. m.	50	-----	30,000	do.	Much farm property near Hartner damaged; injury by hail over area 8 by 12 miles.	Do.
Wichita, Kans.	2	6 p. m.	2 mi.	-----	150,000	Wind.	Chief damage to airplanes at airport; additional damage to oil rigs and buildings by tornadic winds.	Do.
Winters, Tex.	2	-----	6 mi.	-----	-----	Heavy hail.	Heavy crop damage.	Do.
Lancaster, Tex.	3	5 p. m.	50	-----	1,000	Tornado.	Outbuildings and crops damaged.	Do.
Roswell, N. Mex.	4	-----	2,640	-----	-----	Heavy hail.	Apples and young cotton damaged about 60 per cent. Path 12 miles.	Do.
Tahoka, Tex.	5	5 p. m.	4 mi.	-----	49,000	Hail.	Damage chiefly to crops; minor injury to buildings.	Do.
Chugwater, Wyo.	5	5-6 p. m.	-----	-----	3,100	Heavy hail.	Crops damaged.	Do.
Fort Stockton, Tex. (near).	5	6 p. m.	3 mi.	-----	60,000	do.	Crops and buildings damaged.	Do.
Plainview, Tex. (near) ..	5	do.	1,760	-----	-----	do.	Severe crop loss.	Do.
Fountain, Colo.	5	6:30-9:30 p. m.	8-10 mi.	-----	250,000	Hail, wind, and rain.	Extensive damage of various kinds; poultry and livestock killed; 3 persons injured.	Do.
Chillicothe, Tex.	6	6 p. m.	4 mi.	-----	-----	Heavy hail.	10,000 acres of cotton destroyed.	Do.
Flag, Olton, and Running Water, Tex.	6	7 p. m.	5 mi.	2	240,000	Wind.	21 houses and many windmills and outbuildings demolished; livestock and poultry killed; 15 persons injured.	Do.
Plainview, Tex.	6	7:30 p. m.	2,640	-----	100,000	Hail.	Extensive damage to crops and other property.	Do.
Kalispell, Mont., and vicinity.	8	P. m.	-----	-----	1,500	Wind.	Damage chiefly to buildings; some plate-glass windows broken; trees and telephone poles leveled.	Do.
Campbell County, Va. (northern).	8	do.	-----	-----	-----	Wind and hail.	Several buildings unroofed; crops injured.	Do.
Detroit Lakes, Minn.	9	do.	-----	-----	200,000	Tornado.	Many homes and farm buildings partially or completely destroyed. Probably 3 separate tornadoes.	Do.
Roswell, N. Mex. (near) ..	9	-----	1,760	-----	-----	Heavy hail.	50 per cent of cotton in path destroyed.	Do.
Stead, N. Mex. (near) ..	10	3 p. m.	-----	-----	-----	Tornadic wind.	Minor damage.	Do.
Duluth, Minn., and vicinity.	10	4 p. m.	-----	-----	-----	Heavy hail.	Lights and windows broken; auto tops pierced and dented; several persons injured.	Do.
Bruce (near) to Minocqua, Wis.	10	6:30-7:30 p. m.	67-267	-----	250,000	Tornado, hail and rain.	Residences, business houses, and garages damaged or wrecked; wire systems impaired; livestock killed; timber ruined; 13 persons injured.	Do.
Kingston, Minn. (near) ..	10	P. m.	-----	2	250,000	Tornado.	Many farm buildings and homes partially or totally demolished; crops beaten; path 20 miles long; many persons injured.	Do.
Beadle, Kingsbury, and Lake Counties, S. Dak.	11	3 a. m.	-----	-----	155,000	Wind.	Severe property damage; damage by lightning in Huron.	Do.
Winneshiek County, Iowa.	11	10 a. m.	-----	-----	5,000	do.	Minor property damage over path 3 miles long.	Do.
Columbia County, Wis. (central).	11	11 a. m.	-----	1	10,000	Severe squall.	Buildings, silos and windmills damaged.	Do.
Canning, S. Dak.	11	4 p. m.	880	-----	10,000	Hail.	Crops beaten and many windows broken.	Do.
Kiowa County, Okla. (southwestern).	11	5-7 p. m.	1-3 mi.	-----	30,000	Heavy hail.	Crops damaged, light to total; several houses wrecked. Path 20 miles.	Do.
South Dakota (southeastern counties).	11	6:30-8 p. m.	-----	-----	310,000	Hail and wind.	Extensive damage to crops, buildings and trees; telephone and telegraph companies suffer heavy loss.	Do.
Rankin, Tex.	11	6:40 p. m.	440	-----	75,000	Wind.	Much damage to water works, buildings and crops; 1 person injured.	Do.
Rawlin, Decatur, Norton, Haskell, Washington, Marshall, Russell and Lincoln Counties, Kans.	11	6-10:30 p. m.	-----	-----	470,000	Heavy hail.	Wheat crops totally destroyed over wide area.	Do.
Illinois (northern) ..	11	-----	-----	1	36,500	Severe thunderstorm and hail.	A number of buildings struck by lightning; stock killed; telephone and electric light service impaired at several points; roofs and greenhouses damaged.	Do.
Iowa (northern half) ..	11	-----	-----	1	1,500,000	Wind, hail, and floods.	Damage to crops enormous; considerable injury to property; area covered 25 counties.	Do.
Centralia, Danville, Quincy and Mount Carroll, Ill.	12	5:30-7:30 a. m.	-----	-----	-----	Wind and hail.	Crops and buildings damaged; grain flattened; overhead wires blown down.	Do.
Harvey and Butler Counties, Kans.	12	6-7 a. m.	2 mi.	-----	150,000	Heavy hail.	Much wheat destroyed; gardens laid waste; other property damage. Path 32 miles.	Do.
Marion, Ralls, and Monroe Counties, Mo.	12	A. m.	-----	-----	7,000	Wind.	Farm buildings and implements damaged, a few wrecked; poultry killed.	Do.
Carl Junction, Mo.	12	P. m.	2 mi.	-----	18,000	Heavy hail.	Roofs and plate-glass windows damaged; crops badly injured.	Do.
Halltown and Paris Springs, Mo.	12	do.	5 mi.	-----	-----	do.	Roofs and windows damaged; crops on a number of farms ruined.	Do.
Norton County, Kans.	13	4 p. m.	1,760	-----	5,000	do.	Damage chiefly to wheat over path 10 miles long.	Do.
Pawnee County, Kans.	13	5 p. m.	1,760	-----	125,000	do.	Much wheat a complete loss. Path 20 miles.	Do.
Pratt County, Kans.	13	6:30-7:30 p. m.	1-4 mi.	-----	500,000	do.	Wheat damaged 20 to 50 per cent. Path 25 miles.	Do.
Grayson County, Ky.	13	-----	-----	-----	10,000	Wind and hail.	Roofs and timber damaged.	Do.
Jefferson County, Ky.	13	-----	-----	-----	10,000	do.	Truck gardens, roofs and trees damaged.	Do.
Licking County, Ohio.	13-14	-----	-----	-----	7,000	High wind.	Telephone poles and trees prostrated; roofs damaged.	Do.
Philadelphia, Pa. (suburbs)	14	4:30 p. m.	-----	-----	10,000	Thunderstorm and wind.	Huge trees uprooted; windows broken; factory damaged by lightning.	Do.
Frederick, Okla. (near) ..	14	5 p. m.	-----	-----	5,000	Hail.	Damage confined to crops.	Do.
Newark, N. J. (Metropolitan Airport).	14	5:30-6:30 p. m.	-----	-----	11,000	Severe thunderstorms.	A number of planes damaged.	Do.
Forsyth to Granville, N. C.	15	-----	1,760	-----	75,000	Heavy hail.	Tobacco and other crops partly destroyed over path 10 miles long.	Do.
Monroe County to Sioux County, Iowa.	16	3-5 p. m.	-----	-----	750,000	Wind, hail, and flood.	Basements flooded; dwellings inundated; windows and roofs pierced; auto tops ruined.	Do.
Salt Lake City to Ogden, Utah.	16	P. m.	-----	-----	-----	Wind and hail.	30 ammunition magazines demolished; poles and wires blown down; crops severely damaged.	Do.
Sunbury, Pa.	16	-----	-----	-----	25,000	Cloudburst.	Silk mill stock nearly ruined; much damage by washouts and landslides; traffic delayed.	Do.

¹ Mi. signifies miles instead of yards.

Severe local storms, June, 1929—Continued

Place	Date	Time	Width of path, yards ¹	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Monroe County, Wis.	16, 18				\$25,000	Heavy hail	Damage chiefly to strawberries.	Official, U. S. Weather Bureau.
Sundance, Wyo.	17	5:15 p. m.				Tornado	No damage reported.	Do.
Dickinson County, Kans.	18	12:30 a. m.	3-6 mi.		150,000	Heavy hail	Extensive crop damage over a 30-mile path.	Do.
Little York and Pine Island, N. Y.	18	3:30 p. m.	300		15,000	do.	Onion and lettuce crops badly injured.	Do.
Geneva, Nebr.	18	8 p. m.	3 mi.		500,000	do.	Loss of crops 25 per cent to total. Path 20 miles.	Do.
Louisville, Ky.	18				25,000	Electrical	An apartment house wrecked.	Do.
Hillsboro, Wis. (near)	18	P. m.	1,760		40,000	Wind	Severe damage to houses, farm buildings, and trees; livestock killed.	Do.
Prince Georges County, Md. (northwestern).	19	12:30 p. m.	3-4 mi.			Heavy hail	Fruits and tomatoes injured.	Do.
New Castle, Pa. (near)	19	3 p. m.				Heavy hail and wind.	A church badly damaged; cherry crop ruined.	Do.
West Bloomfield, N. Y. (near).	19	3-3:20 p. m.	3 mi.			Heavy hail	Considerable fruit damage.	Do.
Trumbull, Nebr.	19	6:15 p. m.	25 mi.		25,000	do.	Farm property and crops considerably damaged over area 25 miles square; poultry and pigs killed.	Do.
Oxford, Nebr.	19	6:30 p. m.	3 mi.		26,000	do.	Crops and windows damaged. Path 12 miles.	Do.
Nebraska (southeastern)	19	7:30-9:30 p. m.	20 mi.	2	2,000,000	Wind and hail	Many farm buildings wrecked or damaged; trees uprooted; crops devastated; poultry killed; wind tornadic in places. Path 60 miles.	Do.
Marshall County, Kans.	19	10 p. m.			10,000	Wind	Damage chiefly to power and telephone lines and small buildings.	Do.
Claysville, Pa.	19	P. m.			10,000	Hail and wind	1 barn and contents destroyed; crops injured.	Do.
Lancaster, Pa. and vicinity.	19	do.			17,000	do.	4 barns wrecked; trees uprooted.	Do.
Stewartsville to Kingston, Mo.	19	do.			2,000	Tornadic wind	House moved on foundation; small trees broken; windmills wrecked.	Do.
Saline and Ottawa Counties, Kans.	19-20		15 mi.		45,000	Wind	Much damage to buildings and wires. Path 20 miles long.	Do.
Dickinson County, Kans.	20	2 a. m.	2 mi.		5,000	do.	A school building and residences damaged; wire communication interrupted.	Do.
Gracemont, Okla., and vicinity.	20	5:30-6 p. m.	10 mi.		75,000	Hail and wind	Damage almost entirely to crops.	Do.
Fort Cobb, Okla.	20	6 p. m.	1-3 mi.		25,000	do.	Character of damage not reported.	Do.
Harrisburg, Pa. (near)	20	P. m.			10,000	Thunderstorm, and hail.	Several buildings struck by lightning, 1 totally destroyed.	Do.
Snyder County, Pa.	20				10,000	Wind and thunderstorm.	A barn wrecked and livestock killed.	Do.
Johnstown, Pa.	21	5:30 p. m.				Hail and rain	Several bridges washed away; heavy crop damage.	Do.
Wakefield, Nebr.	21	5:30 p. m.	4 mi.		75,000	Hail	Extensive crop damage; windows broken; poultry killed. Path 5 miles.	Do.
Saunders County, Nebr.	21	7:31 p. m.	3 mi.		25,000	do.	Crops damaged.	Do.
Ashland, Nebr.	21	8:30 p. m.	10 mi.		100,000	Wind	Many farm buildings damaged; crops injured; trees uprooted. Path 10 miles.	Do.
Weeping Water, Nebr.	21	9-9:31 p. m.			25,000	Hail	Considerable crop damage.	Do.
Doniphan County, Kans.	21	11:30 p. m.				Heavy hail	Heavy crop damage.	Do.
Lake Overholser, Okla.	21	do.	440		3,000	Wind	Small frame cottages wrecked; others moved from foundations; several persons injured.	Do.
Morrill, Kans. (near)	22	2-5 a. m.	2 mi.		20,000	Hail	Crops injured over path 5 miles long.	Do.
Brown, Doniphan, and Atchison Counties, Kans.	22	5:30 a. m.	1-8 mi.		220,000	Heavy hail	Extensive crop damage.	Do.
Topeka, Kans.	22	8:33 a. m.				Small tornado.	Minor damage to shade trees.	Do.
Buchanan County, Mo.	22					Hail and rain	Heavy loss to crops, bridges, etc., fruit trees stripped; many homes flooded.	Do.
Marshall County, Tenn.	22		2 mi.		10,000	Hail	Crops hurt.	Do.
Logan, Ohio (near)	22-23					Wind	2 homes wrecked, 5 damaged.	Do.
Indiana County, Pa. (central).	23	2:30 p. m.			40,000	Wind and rain	Airplane hangar destroyed, other property damaged by landslides.	Do.
Flemming, Colo.	23	4 p. m.	6 mi.		300,000	Hail, wind, and rain.	Extensive crop and property damage.	Do.
Petz, Colo. (near)	23	4:30 p. m.	2-3 mi.		25,000	do.	Wheat and barley crops damaged.	Do.
Cheyenne County, Nebr.	23	6 p. m.			9,000	Hail	Heavy damage to crops in places. Path 10 miles.	Do.
Angola, N. Y.	23				10,000	Wind squall	2 barns wrecked; orchards damaged; telephone wires blown down.	Do.
Mifflin, Pa.	23	P. m.				Cloudburst and wind.	Concrete dam wrecked.	Do.
Centerville, N. Mex. (near).	24	9-9:30 p. m.	10 mi.		7,500	Heavy hail	Crops damaged.	Do.
Burwell, Nebr.	25	3 p. m.	9 mi.		25,000	do.	Crops, trees, gardens, and fruits injured.	Do.
Platte County, Nebr. (northern).	26	6:30-7 p. m.	3 mi.		60,000	do.	Crops injured; buildings damaged. Path 17 miles.	Do.
Shelby, Nebr.	26	7 p. m.	3 mi.		10,000	do.	Damage confined to crops and gardens. Path 3 miles.	Do.
Grant, Lafayette, Green and Rock Counties, Wis.	27		1,760		25,000	do.	Property and growing crops damaged. Path 75 miles.	Do.
Iowa (14 counties)	27					Hail and wind	Crops and buildings damaged; 1 person injured.	Do.
Jo Daviess County, Ill.	27		6 mi.		35,000	Hail	Crops and buildings damaged; poultry and pigs on several farms killed. Path 10 miles.	Do.
Noble, Steuben and Lagrange Counties, Ind.	27	P. m.			100,000	Wind	Character of damage not reported.	Do.
Branch, Hillsdale and Lenawee Counties, Mich.	27-28				75,000	High winds and a tornado.	Many buildings wrecked; farm homes and barns more or less damaged; tornado in Branch County.	Do.
Farmington, Pa.	28	8:15 a. m.			25,000	Tornado	Every house in village wrecked or damaged; 3 persons injured.	Do.
Cheyenne County, Kans.	28	6-7 p. m.			25,000	Heavy hail	Crops damaged.	Do.
Kane County, Pa.	28	P. m.			150,000	Wind and rain	Several houses unroofed; small buildings demolished; many telephone poles and trees blown down.	Do.
Fayette County, Iowa	28				11,000	Hail and wind	Crops damaged.	Do.
San Antonio, Tex. (vicinity of).	28	P. m.			150,000	Wind	Corn and cane flattened; poles, wires, trees, signs, and light buildings blown down.	Do.
El Paso, Tex.	29	8 p. m.			3,000	do.	Roofs and plate glass damaged.	Do.
Stone Lake, Wis. (near)	29	do.			12,000	Small tornado.	Character of damage not reported.	Do.
Washburn County, Wis. (central).	29	7 p. m.	440		10,000	Severe squall	Farm property damaged.	Do.
Vermillion County, Ill.	30	5:30 p. m.	½-8 mi.		25,000	Wind	Barns blown down; trees and roofs damaged; some injury to crops.	Do.
Burnett and Washburn Counties, Wis.	30	7:30 p. m.			5,000	Hail	Crops damaged.	Do.

¹ Includes damage in Doniphan County, Kans., on the 21st.